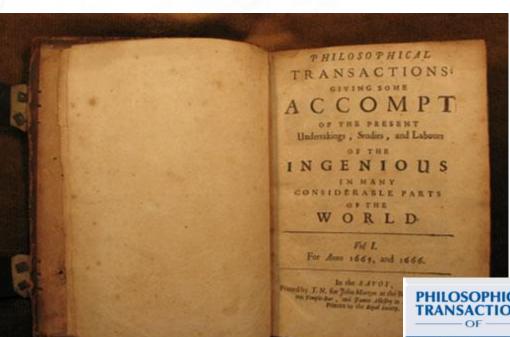
The Publishing Landscape Alison Waldron

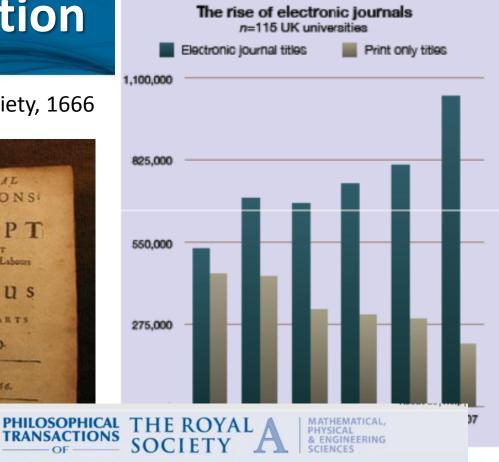
Director, Editorial Development 22 October 2014



Evolving distribution

Philosophical Transactions of the Royal Society, 1666







Home | Current issue | Past issues | Submit | Subscribe | Alerts

THE ROYAL

Influential themed journal issues across the physical, mathematical and engineering sciences

Themed journal issues on topics of current scientific importance and general interest within the physical, mathematical and engineering sciences, edited by leading authorities and comprising original research, reviews and opinions from prominent researchers. All contributions are invited and the journal does not accept unsolicited stand-alone papers. Find out more about Philosophical Transactions A.

Editor: Professor Dave Garner, FRS Citation: Phil. Trans. R. Soc. A

Frequency: Every two weeks

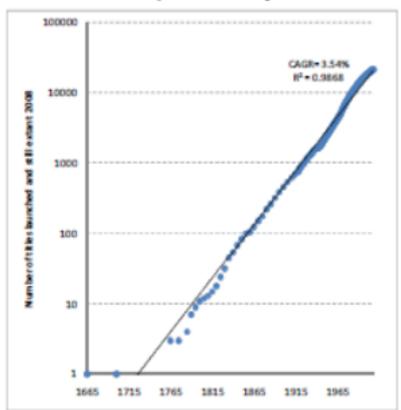
p.org

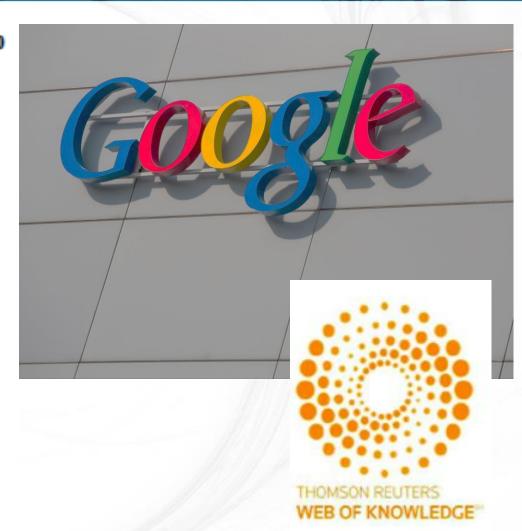
The entire archive of Philosophical Transactions A from 1665 to 1943 is now



A Growing Body of Knowledge

Growth in number of peer reviewed journals 1665-2010

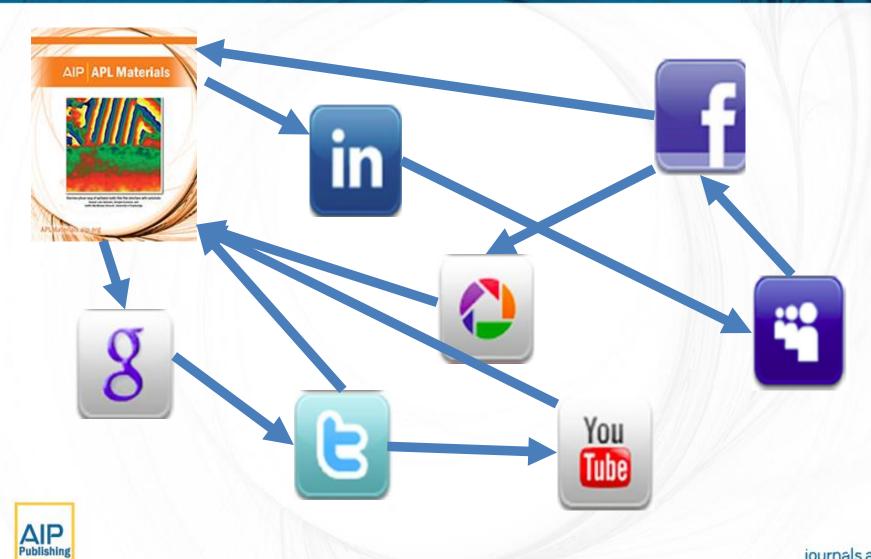






journals.aip.org

Spreading the Word

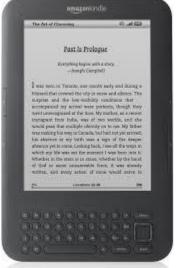


We're Going Mobile











iResearch By American Institute of Physics

Open iTunes to buy and download apps.





New ways to get recognized

Applied Physics Letters

Two-layer organic photovoltaic cell

C. W. Tang1

+ VIEW AFFILIATIONS

Appl. Phys. Lett. 48, 183 (1986); http://dx.doi.org/10.1063/1.96937

(PREVIOUS ARTICLE | TABLE OF CONTENTS | NEXT ARTICLE)

Abstract views over time



Article metrics for:

Measuring the Evolution of Contemporary Western Popular Music

Joan Serrà, Álvaro Corral, Marián Boguñá, Martín Haro & Josep Ll. Arcos

Scientific Reports 2, Article number: 521 (2012) | doi:10.1038/srep00521 Last updated: 13 June 2014 12:19:37 EDT

Total citations



Online attention

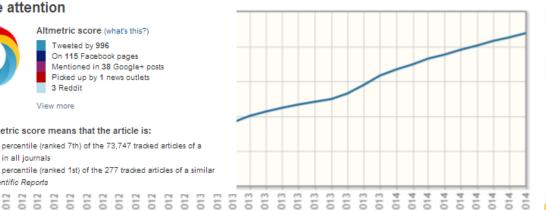


View more

This Altmetric score means that the article is:

- . in the 99 percentile (ranked 7th) of the 73,747 tracked articles of a similar age in all journals
- . in the 99 percentile (ranked 1st) of the 277 tracked articles of a similar age in Scientific Reports





2013 2013 2013 2013 2014 2014 2014 2014 2014

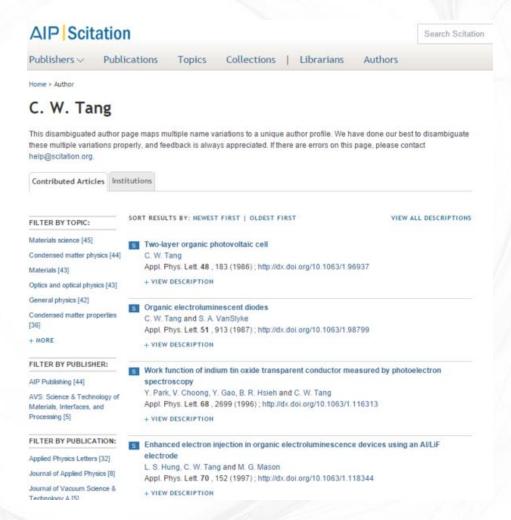
Aug Sep Oct Nov Nov Dec Jan Apr Apr Apr Jun Jun Jun Aug

Getting Counted Author disambiguation



Connecting Research and Researchers

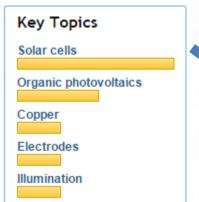
Register at orcid.org





Getting on Topic

Semantic enrichment



Related Content from Scitation:

Numerical simulations of layered and blended organic photovoltaic cells
J. O. Haerter, S. V. Chasteen, S. A. Carter and J. C. Scott

Appl. Phys. Lett. 86, 164101 (2005); http://dx.doi.org/10.1063/1.1901812 2

+ VIEW DESCRIPTION

On the function of a bathocuproine buffer layer in organic photovoltaic cells M. Vogel, S. Doka, Ch. Breyer, M. Ch. Lux-Steiner and K. Fostiropoulos Appl. Phys. Lett. 89, 163501 (2006); http://dx.doi.org/10.1063/1.2362624₺

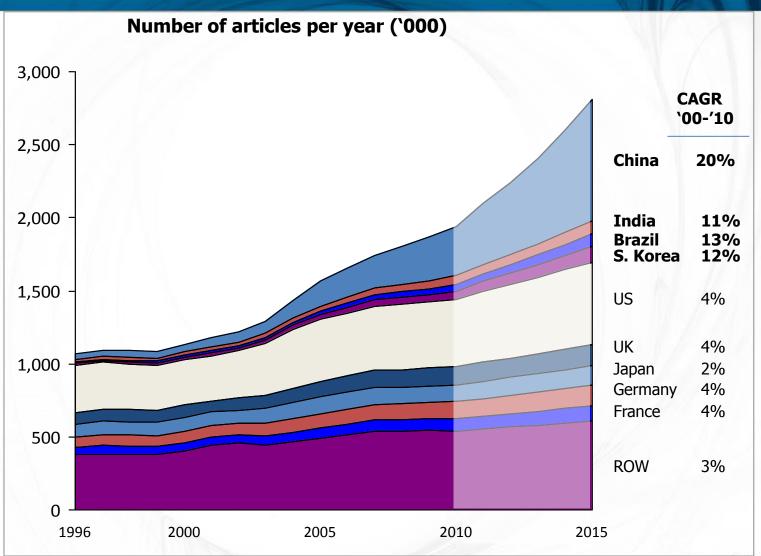
+ VIEW DESCRIPTION

Experimental investigation of a two-layer shearing instability in a cylindrical Couette cell Christopher T. Gallagher, David T. Leighton and Mark J. McCready Phys. Fluids 8, 2385 (1996); http://dx.doi.org/10.1063/1.869023

+ VIEW DESCRIPTION



World Share of Articles





journals.aip.org

International Understanding, International Ethics

With different understandings of plagiarism

- CrossCheck checks against published content for plagiarism
- COPE Committee on Publication Ethics, promoting integrity in research publication







Open Access Funder Mandates

OSTP

Federal agencies with \$100m+ budget must:

- Develop a mechanism to make research results available within 12 months of publication
- Make unclassified data available to the public

HEFCE

- From 1st April 2016
- Deposit AAM in repository on acceptance (12/24 month embargo)
- Gold no specific licence, no new funding

RCUK

Compliant if:

- Gold CC-BY, immediate access
- Green CC-BY-NC, 6/12 months if gold unavailable, 12/24 months if gold available but no funding

Wellcome Trust

- Deposit in PMC and Europe PMC within 6 months of publication
- Provides funds for APCs
- Requires CC-BY for gold

European Commission

Research funded by Horizon 2020 made accessible from 2014:

- Gold (APCs can be reimbursed)
- Green 6/12 months after publication

Howard Hughes Medical Institute (HHMI)

 Deposit in PMC within 12 months of publication

National Institutes of Health (NIH)

 Deposit in PMC within 12 months of publication

FWF (Austria)

- Gold CC-BY, funding available
- Deposit AAM in sustainable subject/institutional repository under CC-BY-NC.
- 6 (or 12) month embargo
- Deposit in Europe PMC required for life sciences

Chinese Academy of Sciences (CAS)

 Deposit in institutional repository within 12 months of publication

European Research Council

Deposit of articles in an appropriate research repository within 6 months

Telethon Italy

- Deposit in Europe PMC within 6 months of publication
- Will cover APCs where appropriate

Australian Research Council (ARC)

- Free availability after 12 months in institutional repository
- No central compliance checks
- Author versions and final versions acceptable



Data Sharing: Why?

Reduce barriers to furthering research

Researchers should get credit – data should be citable

Help authors comply with funding agency accessibility requirements

Make data accessible, and usable – need industry standards



Data Sharing Funding agencies mandates

NIH Data Sharing policy (02/2003)

"In NIH's view, all data should be considered for data sharing. Data should be made as widely and freely available as possible while safeguarding the privacy of participants, and protecting confidential and proprietary data. To facilitate data sharing, investigators submitting a research application requesting \$500,000 or more of direct costs in any single year to NIH on or after October 1, 2003 are expected to include a plan for sharing final research data for research purposes, or state why data sharing is not possible."

US DOE Open access and data sharing mandate (8/2014)

[Research data displayed in publications should be] "open, machine-readable, and digitally accessible to the public at the time of publication", [...] "the underlying digital research data used to generate the displayed data should be made as accessible as possible to the public."



Data Sharing Trends in Publishing

Through Researchers' effort and/or data archives/repositories

Examples: PLOS Journals (03/2014); Nature Journals

Authors must make data freely available, without restriction, immediately upon publication of the article

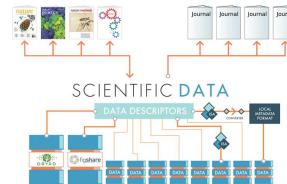
(and eventually upon request by the reviewers)

Through data publishing (Data Journals)

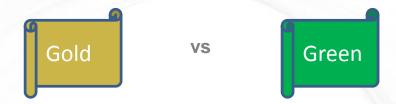
Examples: Geoscience Data Journal, Scientific Data (2014)

- Author submit datasets to data repository
- Author submit data article (or data descriptor) to journal
- Datasets and data articles are peer-reviewed
- Datasets are assigned DOIs, and they are made linkable/accessible from the article
- Datasets citation structure
- Through a mixed publication model
- Conventional articles, with links to repository landing pages for datasets underlying figures or tables
- Datasets are assigned DOIs, datasets might or might not be peer-reviewed





Types of Open Access



Defining Gold and Green

- The location or means of distribution determines the color
- Not based on the rights associated with the content or how accessible the content is

Gold: Publisher Initiated

- Refers to open access of peer-reviewed content through publication in a fully accessible journal (no access controls or subscription needed)
- Payment of an article processing charge (APC) usually required
- Also includes open access of peer-reviewed content in a subscription-based or access-controlled journal through payment of an APC (Often referred to as the "hybrid" option)
- Secondary usage rights usually granted through use of Creative Commons or similar license

Green: Author Initiated (Principle of self-archiving)

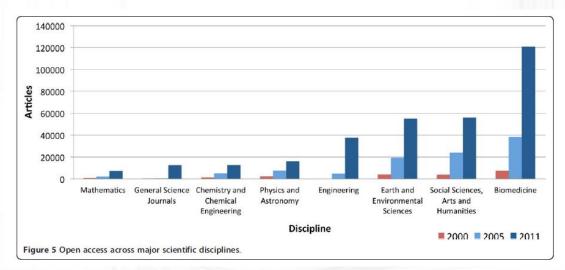
- Open access to article placed in an institutional repository (author's own institution)
- Open access to article placed in a subject repository (arXiv, PubMed)
- Open access to article posted on authors'/employers' website
- No information on secondary usage rights usually provided



Open Access

AIP supports and encourages Open Access

- Increasing pressure on researchers to move towards
 OA from funding agencies
- Funding is available to many researchers towards publication fees
- More and more authors are publishing OA







A broad coalition of scholarly publishers formed to develop, implement and steward a partnership with the federal research funders for providing public access to the peer-reviewed publications that report on federally funded research.

- Evolved from an ad-hoc group of publishers who initiated partnership discussions with several agencies in Spring 2011
- Incorporated as a not-for-profit entity CHOR, Inc. on October 1, 2013
- US IRS 501(c)(3) tax-exempt status pending
- 100+ signatories and growing
- Exploring international partnerships
- Pilot project from Oct. 2013 to July 2014; now in production
- For details see www.chorusaccess.org





US Office of Science and Technology Policy (OSTP) + CHORUS

OSTP Requirement

- Free public access to peerreviewed research articles (guideline: 12 month embargo adapted to agency/discipline needs)
- Optimize search, archival, and dissemination features to encourage innovation
- Ensure interoperability and long-term stewardship
- Policies on public data also called for
- Develop plans in consultation with stakeholders

CHORUS Services



Publishers provide free public access to best available version (accepted author manuscript or Version of Record) post embargo or if paid by article processing charge



CHORUS API enables content syndication and search services



CHORUS enables archiving via CLOCKSS, Portico, and other government sponsored archives



CHORUS infrastructure can link to data repositories when available



CHORUS is ready to work with agencies





Increasing Access to the Results of Federally Funded Scientific Research

All federal agencies funding \$100M or more annually in extramural research must develop public access policies



Free public access to peerreviewed research articles (guideline: 12-month embargo, adapted to agency/discipline need)

Ensure interoperability and long-term stewardship

Issued February 2013
Draft plans submitted

Need policies on both articles and data



DOE released plan August 2014

The Benefit to the Author Creative Commons Licenses

19

What is Creative Commons?

Creative Commons is a non-profit organization that provides copyright licenses and tools that strike a balance between "all rights reserved" and "some rights reserved."



The licenses work within the parameters of copyright law to allow content found on the Internet to be reused easily and freely.



Types of Creative Commons Licenses





CC BY-SA





CC BY-NC



CC BY-NC-SA CC BY-NC-ND





Attribution

Attribution-ShareAlike

Attribution-**NoDerivs**

Commercial

Attribution-Non Attribution-Non Attribution-Non Commercial-ShareAlike

Commercial-**NoDervs**

- Attribution You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.
- ShareAlike If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original.
- No Derivatives If you remix, transform, or build upon the material, you may not distribute the modified material.
- Non Commercial You may not use the material for commercial purposes.

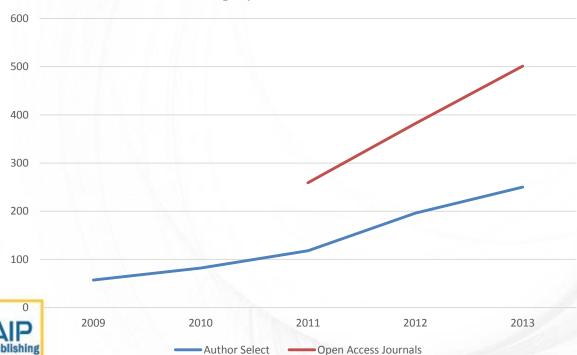


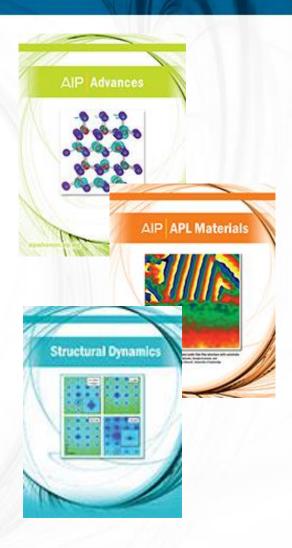


How We're Doing So Far

	Launched	Published Articles (2013)
AIP Advances	2011	408
APL Materials	2013	93
Structural Dynamics	2014	0
Author Select (hybrid)	2006	161

AIP Publishing Open Access Published Articles







journals.aip.org

Questions?

Thank you



- National Science Board's Data Sharing and Management report (12/2011)
 - Make data accessible
- NSF
 - Data Sharing Policy & Data Management Plan (2011)
 - Investigator bios: research publications → research *products* (2013)
- OSTP's Big Data Initiative (3/2012)
 - Leverage knowledge and insights from digital data
- OSTP's Open Access memo (2/2013)
 - Public access to data and publication from federal research
- DOE/SC Data Management statement (3/2013)
 - Data sharing and preservation
 - Proposals now require a data management plan
 - Digital access to data in publications
- OMB's Open Data policy (5/2013)
 - Effective management of electronic data

